

Amendments to the Claims

This listing of claims replaces all prior versions, and listings, of claims in the above-identified application:

1. (Currently amended) A method of identifying a compound that selectively modulates at least one TLR-mediated cellular activity, the method comprising:

providing an assay to detect modulation of a cellular activity known to be TLR7-mediated cellular activity and an assay to detect modulation of a cellular activity known to be TLR8-mediated cellular activity;

performing the assay to detect modulation of a TLR7-mediated cellular activity using a test compound and human cells that naturally express TLR7;

performing the assay to detect modulation of a TLR8-mediated cellular activity using the test compound and human cells that naturally express TLR8; and

identifying the test compound as a compound that selectively modulates at least one TLR-mediated cellular activity if the test compound modulates the TLR7-mediated cellular activity to at least a two-fold different extent than it modulates the TLR8-mediated cellular activity,

wherein the TLR-mediated cellular activity comprises inducing production of a cytokine, co-stimulatory marker, intercellular adhesion molecule, proliferation/maturation marker, or a combination thereof.

2. (Previously Presented) The method of claim 1 wherein the compound modulates a TLR7-mediated cellular activity and does not modulate a TLR8-mediated cellular activity.

3. (Previously Presented) The method of claim 1 wherein the compound modulates a TLR8-mediated cellular activity and does not modulate a TLR7-mediated cellular activity.

4-56. (Canceled)

57. (New) The method of claim 1 wherein the TLR-mediated cellular activity is inducing production of a cytokine selected from the group consisting of: TNF- α , a Type I interferon, IFN- γ , IL-1, IL-6, IL-8, IL-10, IL-12, MIP-1, MCP-1, and combinations thereof

58. (New) The method of claim 1 wherein the TLR-mediated cellular activity is inducing production of a co-stimulatory marker.

59. (New) The method of claim 1 wherein the TLR-mediated cellular activity is inducing production of an intercellular adhesion molecule.

60. (New) The method of claim 1 wherein the TLR-mediated cellular activity is inducing production of a proliferation/maturation marker.

61. (New) The method of claim 1 wherein human cells that naturally express TLR7 comprise plasmacytoid dendritic cells and human cells that naturally express TLR8 comprise myeloid dendritic cells.